Sonamp® ASAP3D SE Application Notes

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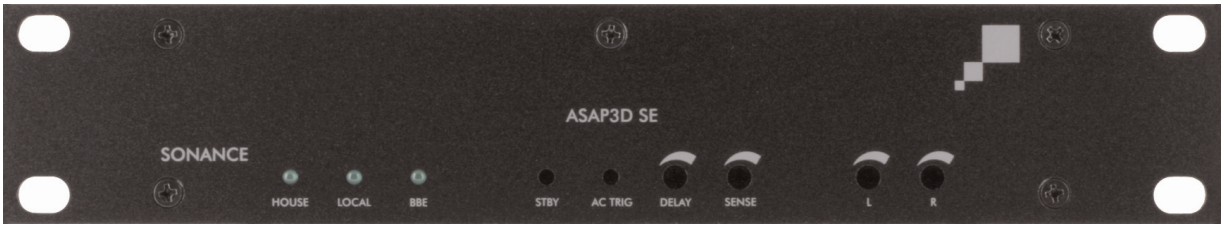


Sonamp ASAP3D SE (front view)

Sonamp® ASAP3D SE Stereo Power Amplifier Key Features

- Small Size: 1U High x ½ Rack Wide Chassis
- Automatic House/Local Source Switching
- Flexible Automatic Triggering
- IR Control (including Volume Functions)
- ICEpower® Digital Amplification; Low Heat Generation
- BBE® Sound Enhancement
- Mono Variable Output for Subwoofer

ASAP3D SE Features/Benefits

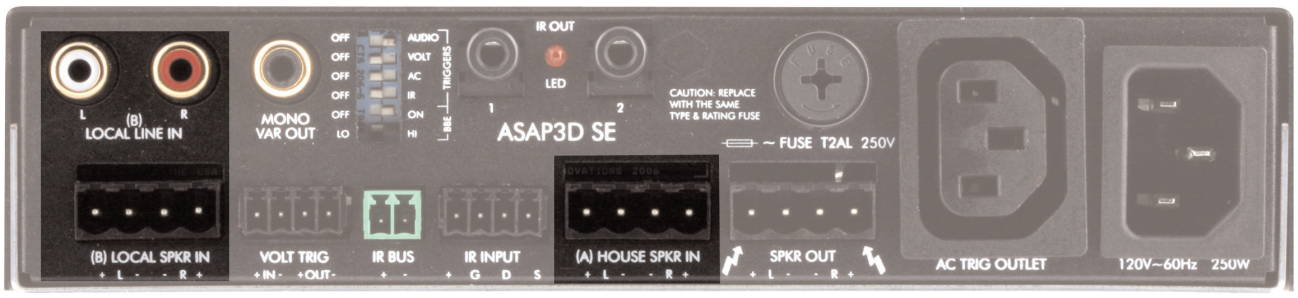
Feature: Automatic *House*/*Local* Source Switching

Benefit:

- Automatically switches a pair of speakers between two different input sources. (Typically between a whole-home audio system that normally plays in the area and a local source, such as a TV set.)
- The ASAP3D SE will automatically override the whole-home system whenever the local source is turned on. One of several different trigger methods can be used.

Typical Application:

A typical application would be to use the ASAP3D SE to power and automatically switch a pair of speakers in a bedroom from playing background music sent by a whole-home audio system to playing the sound of the bedroom TV whenever the TV is switched on. With the ASAP3D SE's Mono Variable Output feeding a local-zone powered subwoofer, this installation would provide much better sound quality than the TV could supply on its own.



ASAP3D SE Local Source (left) and House Source (right) Input Connections

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Feature: Flexible Automatic Triggering

Benefit:

- Automatic switching from the *House* to the *Local* source can be triggered in four different ways:
  - By the presence of an audio signal at the Local line or speaker inputs;
  - When a TV connected to the ASAP3D SE's AC outlet is turned ON;
  - By an external control voltage connected to the amplifier's VOLTAGE TRIGGER input;
  - By an IR controller connected to the amplifier's IR input.
- This flexibility allows the ASAP3D SE to be used by installers who perform basic installations (featuring autoformer volume controls), by installers who perform more elaborate installations (featuring remote switching and central preamp control), and by installers who install hi-end systems (featuring IR control).

ASAP3D SE VOLTAGE TRIGGER CONNECTIONS (LOWER LEFT), TRIGGER MODE DIP SWITCHES (UPPER LEFT) AND AC TRIGGER OUTLET (RIGHT)

Feature: IR Control

Benefit:

- IR input allows volume, muting and BBE ON/OFF to be controlled by an IR keypad controller. (*House/Local* input selection can also be made via IR when IR is the sole trigger method selected.)
- IR output allows OptiLinQ® emitters to pass 3rd-party control signals to intended components.
- IR Bus passes IR signals from multiple ASAP3D SEs to single set of emitters.
- Amp can be used in more sophisticated installations.

ASAP3D SE IR CONTROL CONNECTIONS

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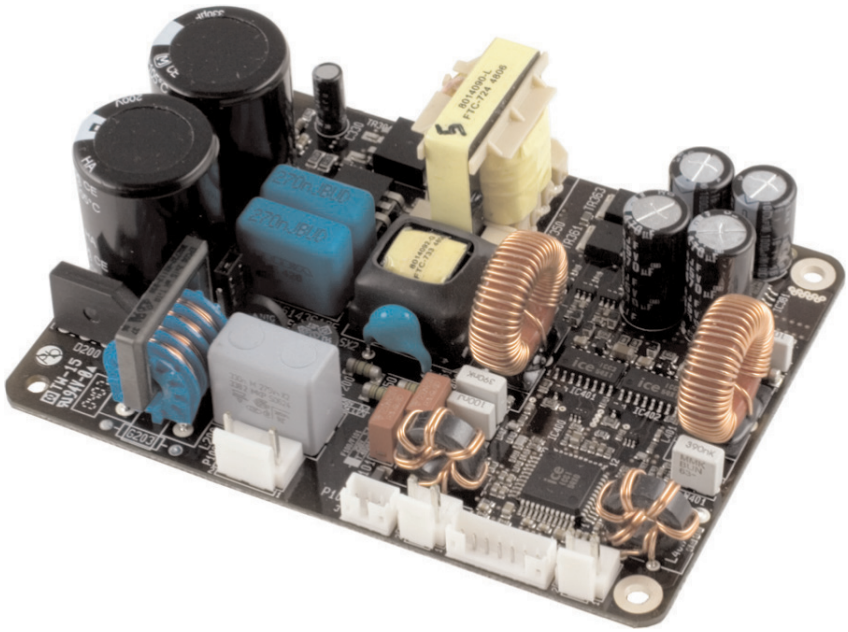
Feature: ICEpower Digital Amplification

Benefit:

- Highly efficient — produces high power in a 1U high/½ rack width package.
- Very little heat generation.
- Expands installation options.
- Provides significant energy savings over conventional amplifier designs.



ICEpower 2 x 25W (8 ohms) Amplifier Module

Feature: BBE Sound Enhancement

Benefit:

- Improves the presence and detail of speakers, especially at lower listening volumes
- Distributed audio systems playing background music sound better at quiet volume levels.
- Restores clarity and definition to spoken voices, making paging systems easier to understand without having to run them at high volumes.

Installation Examples

The next three pages show three examples of different audio and audio/video systems that can be assembled using one or more ASAP3D SE amplifiers.

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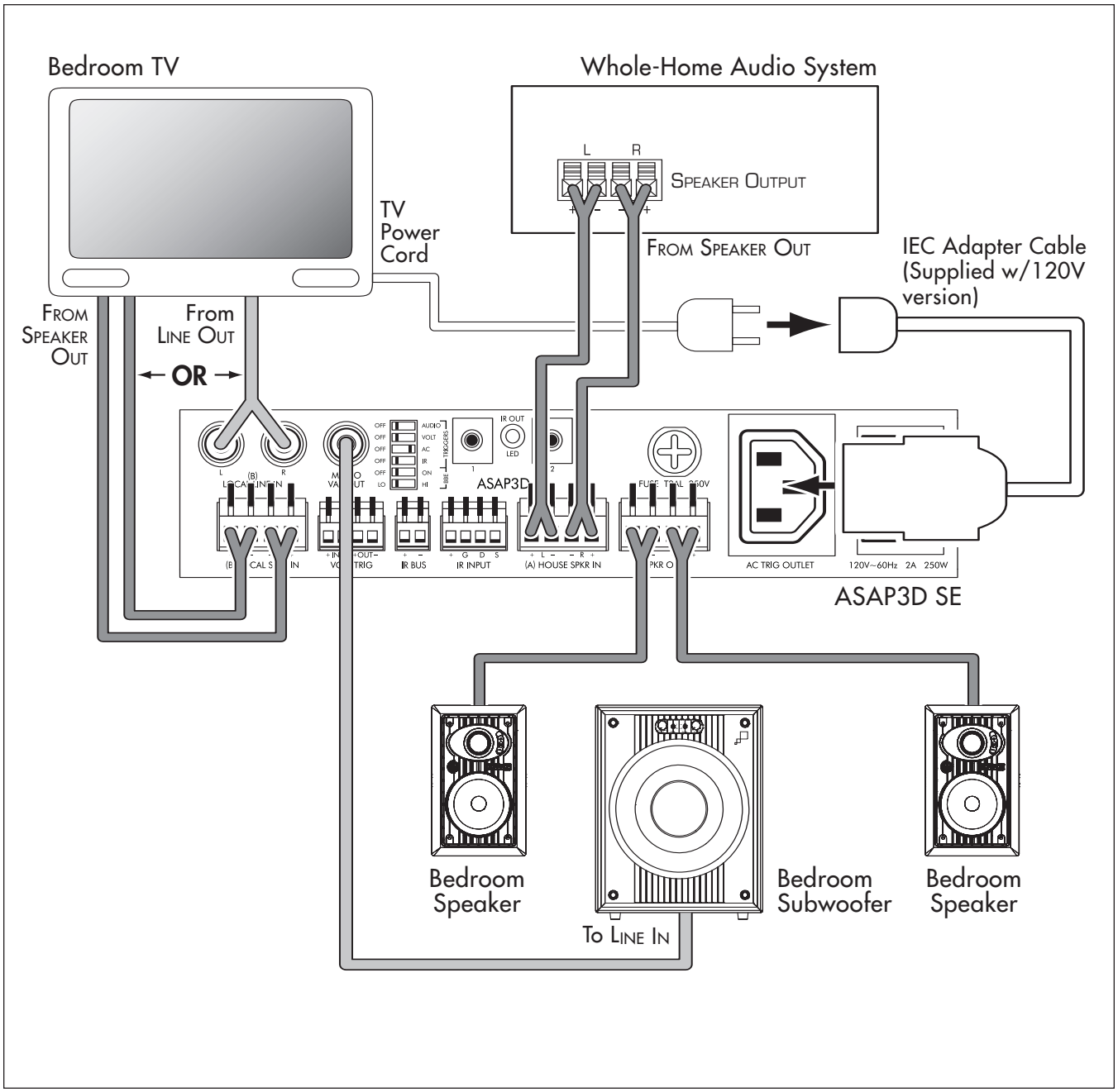
ASAP3D SE System with AC Triggering

- **When the TV is turned ON its audio signal overrides the whole-home audio program.**
- **The local zone (TV) audio signal volume is controlled by the TV remote control.**

The illustration below shows the typical system connections when triggering the ASAP3D SE via AC. The LOCAL LINE IN and LOCAL SPEAKER IN connections are both shown for illustrative purposes. Although they both can be used simultaneously, normally only one would be used.

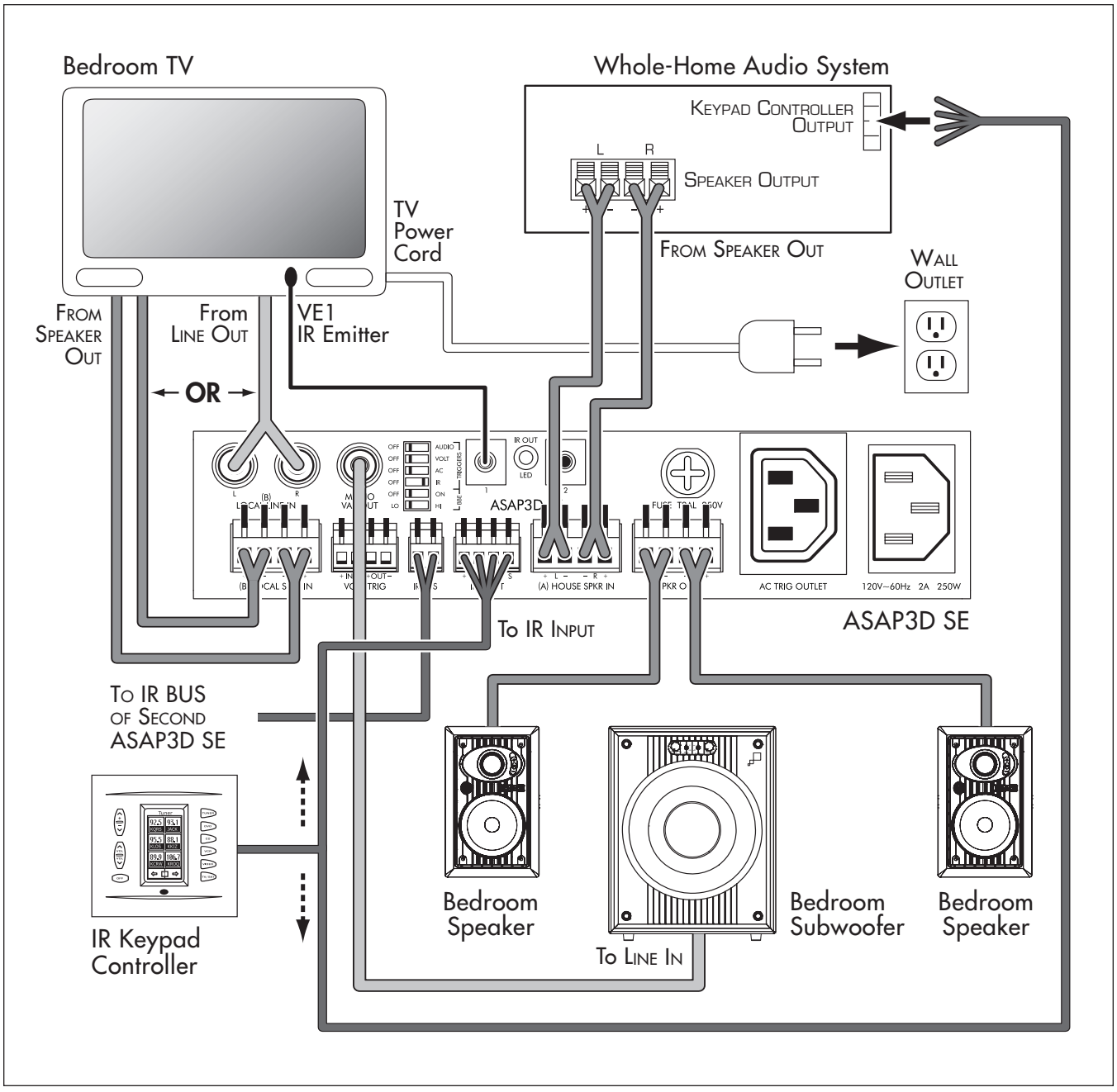


Sonamp® ASAP3D SE Application Notes

ASAP3D SE System with IR Triggering

- **The ASAP3D SE is triggered to switch between the house and local source by a command from the whole-home system control keypad.**
- **The local zone audio signal volume is controlled by the whole-home system keypad.**

The Illustration below shows the typical system connections when triggering the ASAP3D SE via IR from a keypad controller or other IR control device. If multiple ASAP3D SEs are being used their IR BUS connections can be linked, allowing each of their IR control devices to send signals to a single set of IR emitters on a set of source components being shared by all the systems.



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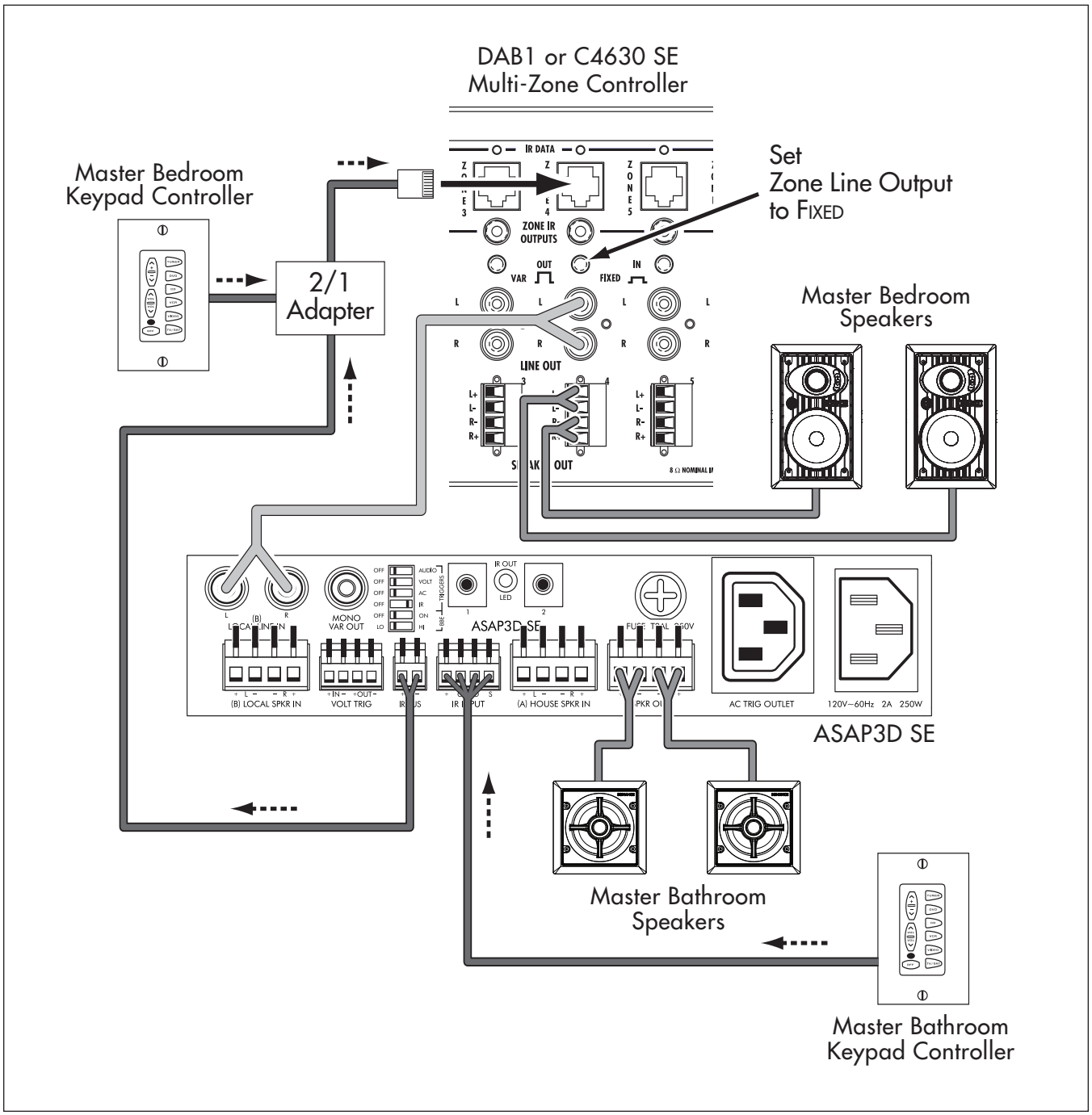
ASAP3D SE System with Individual Zone IR Controller

- **Adds an audio zone to a whole-home system.**
- **The local zone audio signal volume is controlled by the local zone keypad.**

The Illustration below shows the typical system connections when using the ASAP3D SE as a sub-zone amplifier, being fed by the audio signal from one zone of a multi-zone controller.



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Notes:

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